3D Holographic eyes at CEBIMAr





Holography is...





Diffraction + **Interference** $I_H(x, y) = (R + O) (R + O)^* = |R|^2 + |O|^2 + R^*O + RO^*$



Phase microscopy 3X



Holographic image





Ergonomic Holography



Holography processing









Holography in-line lensless advantages:

- compact setup
- DoF free

Holography in-line lensless disadvantages:

- not real time imaging technique
- technologies dependent

